

## MS/MS Parameters of Pesticides

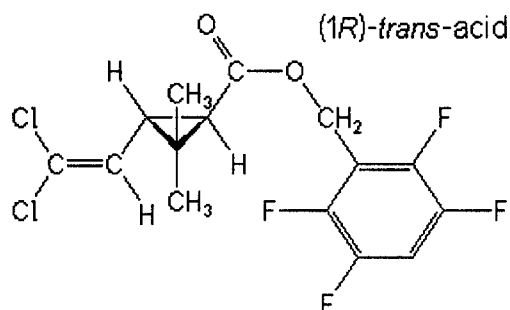
### Analyte: Transfluthrin

CAS No.: 118712-89-3

Formula: C<sub>15</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>4</sub>O<sub>2</sub>

Molecular mass (lowest isotopes): 370,02 amu

Structure:



Ionisation: ESI +

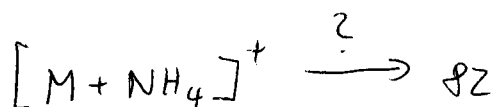
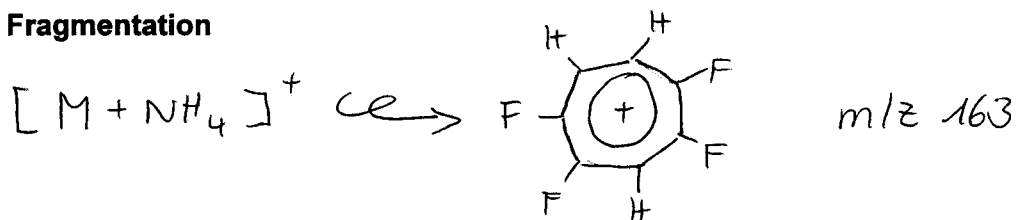
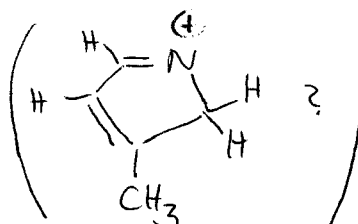
Quasimolecular ion: 388,0 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

| Transition                                | 388,0 → 82,0 | 388,0 → 162,9 |
|---|--------------|---------------|
| Declustering potential (DP) <sup>*)</sup> | 1V           | 1 V           |
| Focusing potential (FP)                   | 370 V        | 370 V         |
| Entrance potential (EP)                   | 11,0 V       | 12,0 V        |
| Collision cell entrance potential (CEP)   | 26 V         | 22 V          |
| Collision energy (CE)                     | 17 V         | 33 V          |
| Collision cell exit potential (CXP)       | 4 V          | 8 V           |

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

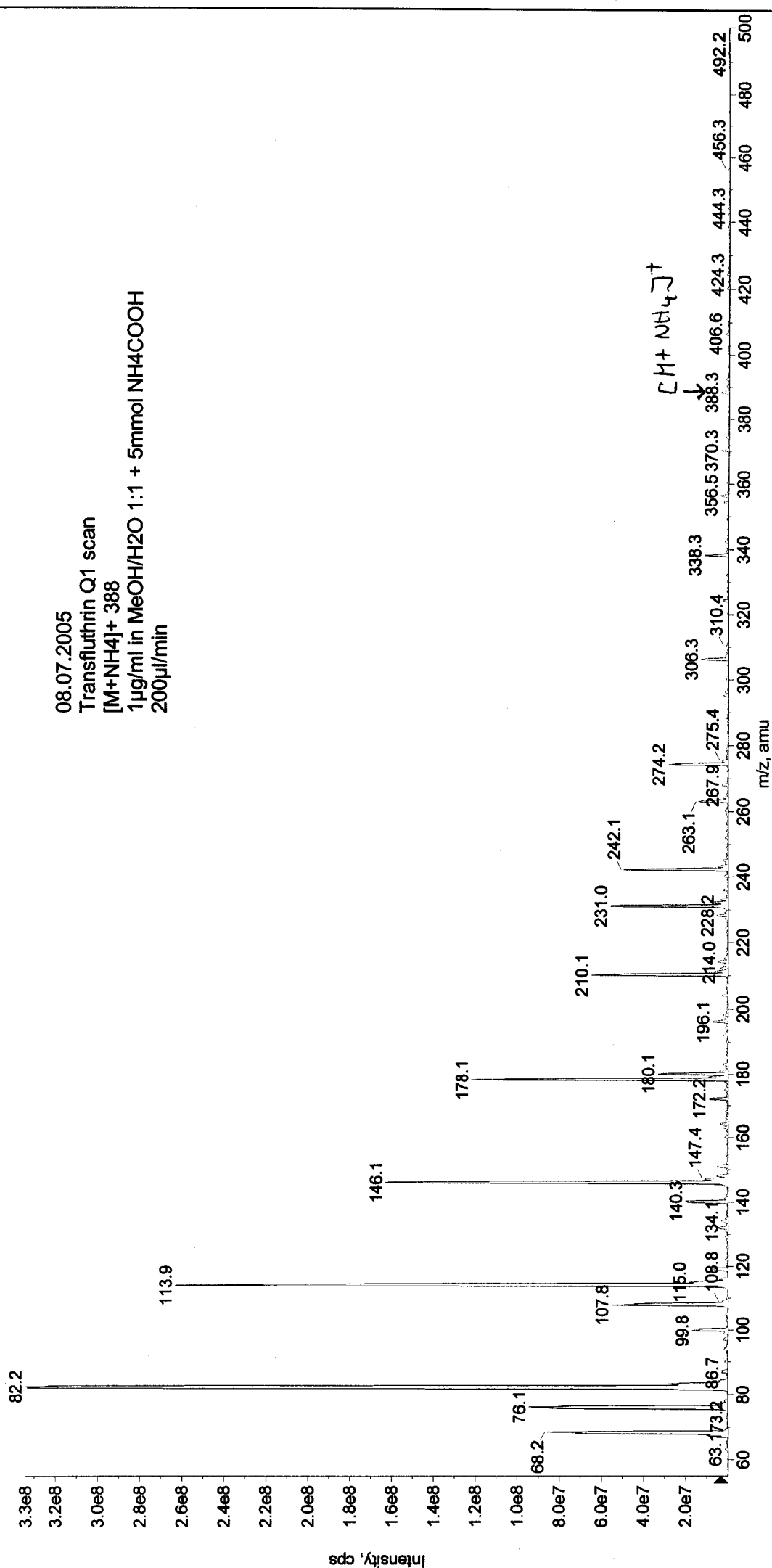
### Fragmentation

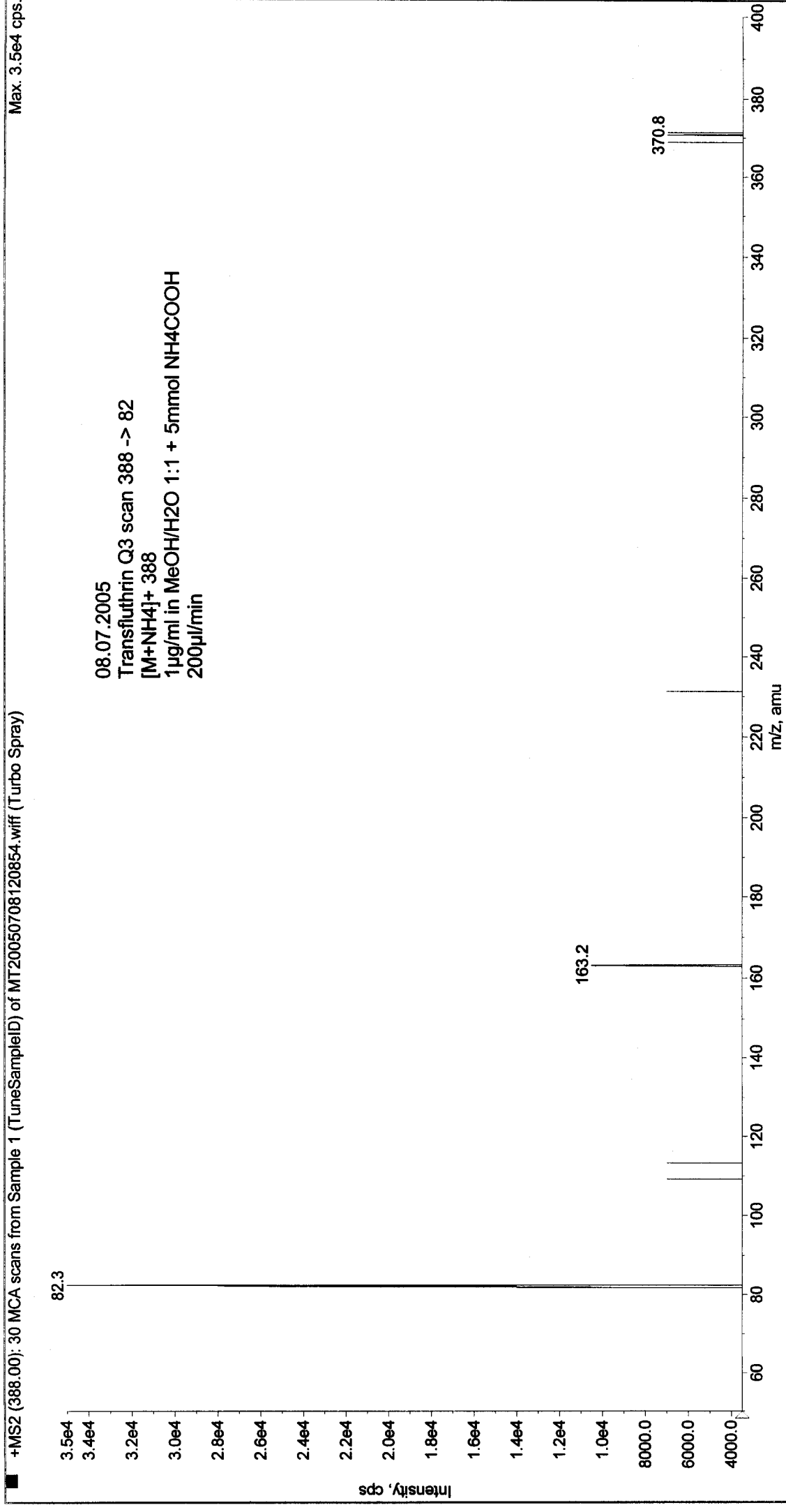

C<sub>4</sub>H<sub>4</sub>NO or C<sub>5</sub>H<sub>8</sub>N


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050708120602.wiff (Turbo Spray)

Max. 3.3e8 cps

08.07.2005  
Transfluthrin Q1 scan  
[M+NH<sub>4</sub>]<sup>+</sup> 388  
1µg/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min

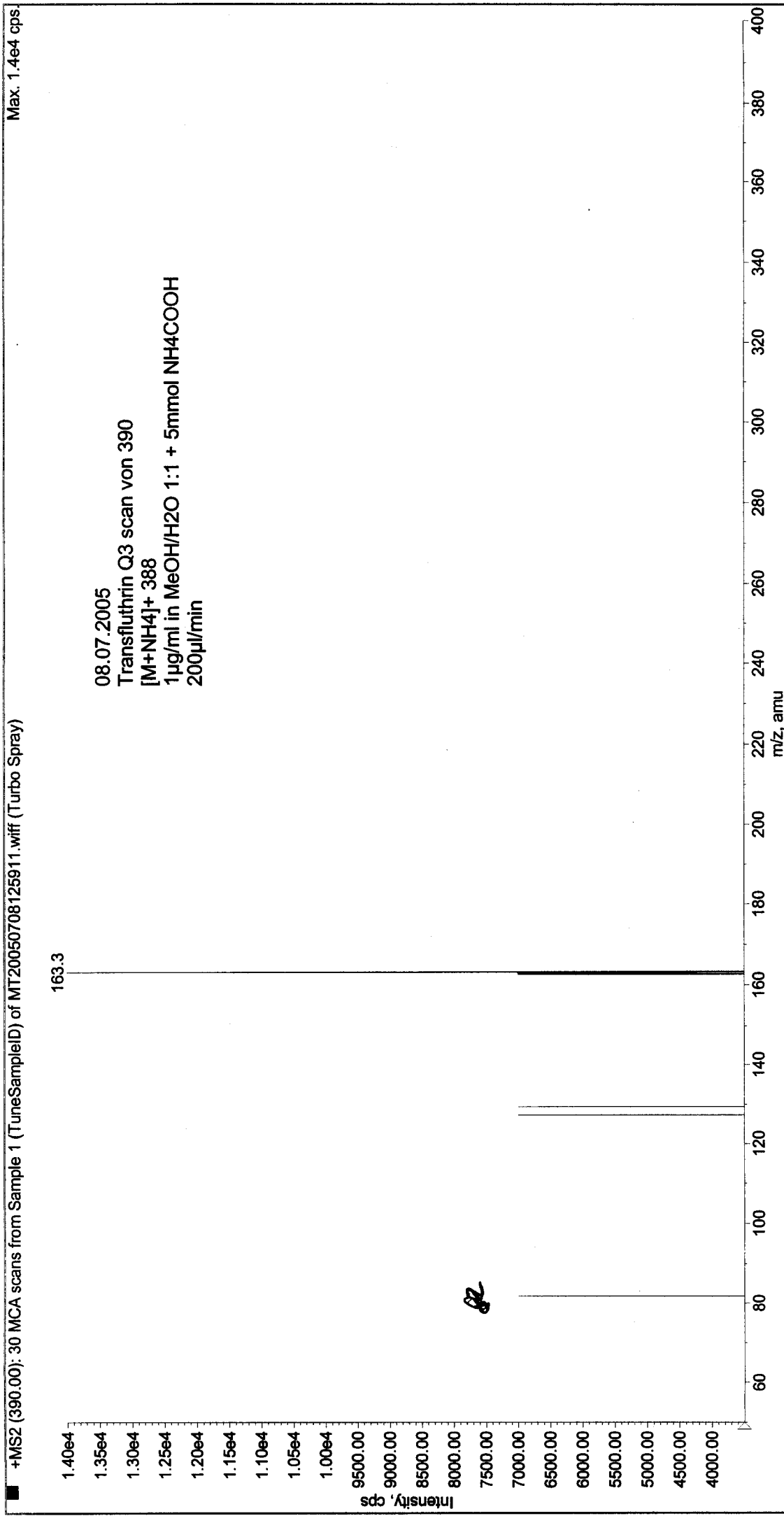




Printing Time: 13:00:13  
Printing Date: Friday, July 08, 2005

Acq. Time: 12:59  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708125911.wiff

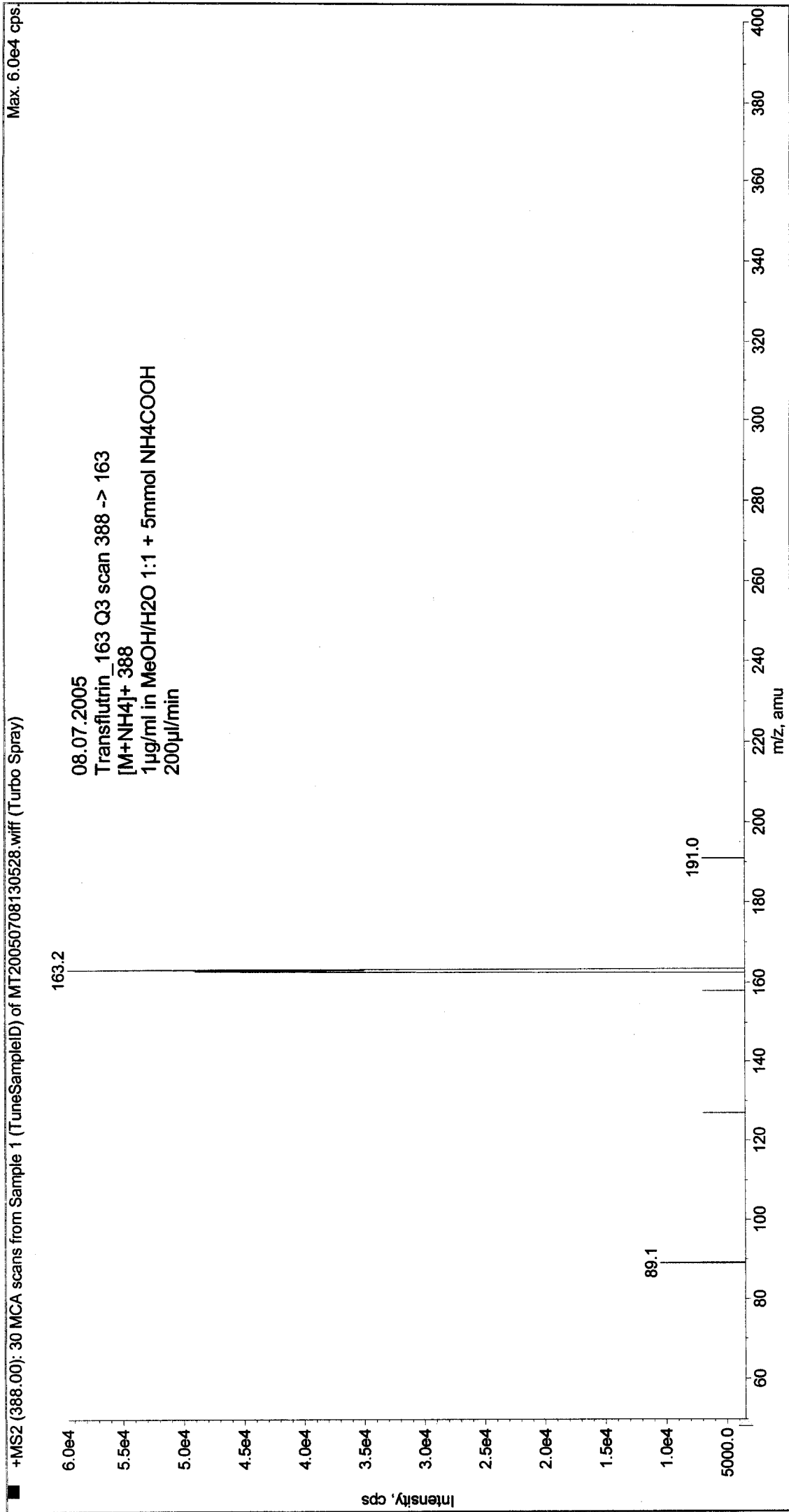
Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat



Printing Time: 13:07:05  
Printing Date: Friday, July 08, 2005

Acq. Time: 13:05  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708130528.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat



Printing Time: 13:05:11  
Printing Date: Friday, July 08, 2005

Acq. Time: 13:04  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708130408.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

